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BIENNIAL REPORT

OF THE SUPERINTENDENT

OF PUBLIC

INSTRUCTION

OF THE TERRITORY OF ARIZONA

GEORGE W. CHEYNEY,

SUPERINTENDENT

1890

Office of
Superintendent of Public Instruction,
Tombstone, December 1, 1890

To His Excellency,

N O MURPHY,

Acting Governor of Arizona

SIR I have the honor to herewith submit to you the Biennial report of the Public School System of the Territory of Arizona, in accordance with Section 19, sub-division 6 Revised Statutes Statistical tables, unless otherwise specified, are for the school years ending respectively June 30th, 1889, and June 30th, 1890

Very Respectfully,

GEO W CHEYNEY

Superintendent of Public Instruction

1889–1890.

OFFICERS OF THE PUBLIC SCHOOL SYSTEM,

TERRITORY OF ARIZONA

TERRITORIAL SUPERINTENDENT OF PUBLIC INSTRUCTION

GEO W CHEYNEY, TOMBSTONE

BOARD OF EDUCATION

HIS EXCELLENCY, ACTING GOVERNOR N O MURPHY, PRESIDENT

HON. JOHN Y T SMITH, TERRITORIAL TREASURER

HON. GEO W CHEYNEY, SUPT OF PUB INSTRUC , SECRETARY

BOARD OF EXAMINERS

HON GEORGE W CHEYNEY, EX-OFFICIO

REV C F SPRAY.

HON GEORGE R CRESSWELL

COUNTY SCHOOL SUPERINTENDENTS AND BOARDS OF EXAMINERS.

APACHE COUNTY

Hon. J T Lesuer, Chairman
Examiners—John T Hogue and Walter G Scott.
Postoffice address, St. Johns.

COCHISE COUNTY

Hon E R. Monk, Chairman
Examiners—H G Howe and S. C. Bagg.
Postoffice address, Tombstone.

GILA COUNTY

Hon. F W Westmeyer, Chairman
Examiners—C S Fisk and A. G Pendleton
Postoffice address, Globe

GRAHAM COUNTY

Hon John Blake, Chairman.
Examiners—J T Fitzgerald and W. W. Damron
Postoffice address, Solomonville.

MARICOPA COUNTY

Hon. Frank Baxter, Chairman
Examiners—Mrs. Clara A Evans and Mis Amanda A Alexander.
Postoffice address, Phœnix.

MOHAVE COUNTY

Hon L O Cowan, Chairman
Examiners—H H Watkins and J. A Murphy.
Postoffice address, Kingman.

PIMA COUNTY

Hon Thomas Cordis, Chairman
Examiners—Mrs Chas M Strauss and Thomas F Wilson.
Postoffice address, Tucson.

PINAL COUNTY

Hon W H Benson, Chairman.
Examiners—Henson Thomas and George Evans
Postoffice address, Florence.

YAVAPAI COUNTY

Hon. E. W. French, Chairman.
Examiners—Mrs S E. Blake and Mrs. G L Pearson.
Postoffice address, Prescott

YUMA COUNTY

Hon. C H Brinley, Chairman.
Examiners—J J Stein and A Frank
Postoffice address, Yuma

COUNTY SCHOOL SUPERINTENDENTS ELECT.

To Take Office January 1, 1891.

APACHE COUNTY

HON. ART MCDONALD — Postoffice address, St Johns

COCHISE COUNTY

HON FRANK G. WOLLCOTT — Postoffice address, Tombstone.

GILA COUNTY

HON. F. W. WESTMEYER — Postoffice address, Globe

GRAHAM COUNTY

HON. JOHN BLAKE — Postoffice address, Solomonville

MARICOPA COUNTY

HON. FRANK BAXTER — Postoffice address, Phœnix

MOHAVE COUNTY

HON. L. O. COWAN — Postoffice address, Kingman.

PIMA COUNTY

HON J. S. WOODS — Postoffice address, Tucson

PINAL COUNTY

HON. JOHN MILLER — Postoffice address, Florence.

YAVAPAI COUNTY

HON. E. W. FRENCH — Postoffice address, Prescott.

YUMA COUNTY

HON. F. B. WIGHTMAN — Postoffice address, Yuma.

BIENNIAL REPORT

OF

Superintendent of Public Instruction.

The efficiency of the Public School System has been well maintained during the past two years, and a general progress is noted. Universal desire in the community that a high standard shall be attained has greatly assisted school officers in the discharge of their duties, and Legislative action has provided such a liberal minimum of taxation that as a rule funds are ample for a sufficiently long school term

The results of this will be seen in detail by Tables No. 1, 2 and 5, and show that the School System is, at least, keeping pace with the growth of the Territory otherwise. The number of schools has increased in the two years from 197 to 219, and since 1883 from 104, and the number of children of school age by 2500, while the percentage of pupils in actual attendance upon the schools has increased from 24½ per cent in 1883, and 34 1-10 per cent in 1889 to 36 5-10 per cent in 1890.

Our law is exceedingly liberal in providing the possibility of an education for every child. Under it school houses may be maintained every two miles, and every fifteen children between 6 and 18 years of age are entitled to $400 annually from the County school fund. With such provisions it would seem that a greater proportion than that shown, 36.5 per cent should take advantage of this

liberality. This has been given as a reason for the adoption and enforcement of a rigid compulsory education law in the Territory. But it should be remembered that in the country districts distances are frequently so great as to render the attendance of children of tender age impossible, and the school life of the elder is frequently ended before reaching 18. Also in several of the towns parochial and private schools provide the means of education for a great many. Were data obtainable upon these points it would be shown that our parents generally are alive to the necessity of the schooling of their children and I am of the opinion that such a law would work more hardship than benefit. Let the Territory provide and liberally maintain its school system and its privileges will be eagerly sought by those for whom they are intended. The number of teachers employed has increased with the number of schools, from 98 in 1883, and 199 in 1889 to 240 in 1890.

The average salary while falling slightly from year to year is equal to if not larger than that paid anywhere, and positions in the Territorial schools are so eagerly sought as to render possible the selection of teachers of the highest grade.

The length of the school year has varied but little from year to year averaging about 6½ months or 130 days of actual teaching. While not quite so long a term as is maintained in most countries this is rendered necessary by the fact that summer heat in most portions of the Territory is early and intense. As all of the counties and most of the districts report a balance of funds at end of year, this rather than lack of means would seem to be the reason.

SCHOOL BUILDINGS AND LIBRARIES.

While the school buildings in several of the larger towns of the Territory are a source of just pride and

compare favorably with those of older communities, house accommodations are sadly lacking These buildings were erected by the issue of bonds at a time when special legislation for such purposes was legal. Under the present law a direct tax upon the property of the district is necessary for such outlay. The burden of this is excessive and results in the rental or erection of unsuitable houses and of inadequate accommodation.

If any provision of law is possible by which districts may bond themselves for this purpose I believe it will result in much benefit.

The following suggestion made by my predecessor, Hon. Chas. M. Strauss has much merit

"In this connection I would request the attention of our legislature to the feasibility of some law that it might enact creating a Territorial Loan and Building Fund. That would be of very great benefit to our country districts.

Building and Loan Associations have now been in existence for many years in this country, they have passed beyond that stage in which they can be called experimental and have reached that point where they are universally admitted to be a grand success and a blessing to the communities in which they exist, in several states they can be counted by the hundreds. I believe that which can be accomplished by individuals as a rule can be accomplished by communities.

We have in this Territory about 160 school districts. If each district were to pay say $5 00 a month, it would give the institution a monthly increase of $800, sufficient to build a very neat and comfortable school house, and a total of twelve new school houses a year in the Territory. The district borrowing this money should be made to pay 5 per cent interest per annum, which together with the principle of $5 00 per month would amount to $100 per year. This amount and even considerable more is now being paid by many districts for rent of school houses for which of course there is no future return; under this law there would be a profit arising from the 5 per cent interest, in which each district would share according to its proportion, and the original payments of $5.00 would return to it in the shape of a cancelled debt against its school house, so that in the course of time each district would have paid for its own school building without increasing the taxation of its inhabitants

The districts that would not desire to avail themselves of this fund, because they already owned their school house, would be accumulat-

ing a fund at 5 per cent compound interest that would relieve the taxpayer to just that extent in the future."

The erection during the past year in the City of Phoenix of two new school buildings deserves especial mention. These houses were built by the proceeds of an especial tax levied upon the property of the District and amounting to $12,000.

These houses cost $16,000 and are models of arrangement and convenience as well as appearance.

The District of Solomonville, Graham County, also erected a new school building at a cost of $2500. The buiding is of brick with a 4-foot stone foundation, 43x27 feet outside and divided by a brick partition into two rooms each 20x23 feet with 10-foot ceilings. A hiproof broken by dormer heads, and in the center a 15-foot bell tower is surmounted by a 16-foot flag-pole floating the stars and stripes. Ventilation is well provided for by 14 windows 5x7 feet and placed five feet from the floor, in the tower is a bell the gift of the people of the District. The grounds of about an acre are laid out in walks and planted in China umbrella and cotton trees. The citizens of Solomonville are justly proud of their school house, and as a whole it is a model that may be followed with advantage by other districts.

There were erected in the Territory in 1889, four, and in 1890 fifteen new school houses.

The law permits an annual expenditure of the school funds appropriated to each District of not to exceed $50 for the purchase of library books. Very few Districts seem to have taken advantage of this provision as in 187 Districts but $184 is reported as having been so expended. There were in the Territory in 1890 twenty-four school libraries as against twenty-two the previous year, with in 1889 an aggregate of 1291 volumns and in 1890 2261, an increase of 970; of these 626 were added to one.

library, that of Tombstone, mainly the result of donation and an entertainment given by the children.

TEXT BOOKS.

The school law imposes upon the Board of Education the duty of selecting and enforcing the use of a uniform list of text books in the schools of the Territory.

In March of 1889 this law was amended permitting districts containing 2000 inhabitants to select by their trustees text books other than those provided by the Board.

The present list was adopted August 3, 1881, and under a contract entered into with the publishers, fixing the maximum retail price. At the expiration of this contract the Hon. Robert L. Long then Territorial Superintendent, addressed a circular to the teachers of the Territory requesting replies to the following questions:

1. Do you favor a complete change of text books?

2. Do you wish a change in part? If so name the books you desire changed.

To these questions sixty-three replies were received of which twenty desired a complete change, and partial changes were desired averaging about the same

The Board decided that this did not indicate a general dissatisfaction and decided to continue the same list. My predecessor Hon. Chas. M. Strauss addressed similar questions to the teachers and the replies on file show not only general dissatisfaction but a variety of choice in change almost equal to the number of replies.

Under the law no change of text books can be made in less than four years, and then only after due notice to all concerned. The Board recognizes that frequent changes of text books results only in

confusion to teacher and pupil and additional expense to parent, and yet the fact that changes have been made wherever the population permits, as well as the testimony of the teachers would seem to prove that the present list is by no means all that could be desired.

The subject of a judicious change is now under the earnest consideration of the Board.

TEACHERS' INSTITUTE.

The provision of law requiring an Annual Teachers' Institute seems to work rather a hardship than a benefit, and is frequently ignored. There is no possible question that the annual or more frequent assembling of teachers for the purpose of mutual discussion of their work, the gathering of new ideas, and the instruction received from trained specialists is of the utmost benefit. But the conditions in this Territory of distance and inaccessibility are such as to render it well nigh impossible for any excepting those at the county seat to attend. For the same reason it is impossible with the funds he is permitted to use for the County Superintendent to provide the lecturers whose instruction form the chief value of an institute.

It is a question whether under the circumstances the improvement of the teacher is sufficient to compensate the school for the annual loss of a weeks service, and I recommend that the law be modified in so much as the annual institute is made obligatory.

USE OF FLAG.

Without any special legislation the custom of daily floating the stars and stripes over the building dedicated to the cause of education has become almost universal.

The appropriateness and beauty of such a patriotic custom appeals to the instincts of every true American and needs no commendations.

The children accept it with enthusiasm, and to Nogales District, almost the extreme of the United States belongs the honor of having first made the privilege of the morning flag raising the highest reward of merit known to the school. The observance of Arbor Day, designated by Proclamation of the Governor, was for the first time adopted in 1890, and should be continued.

FINANCES.

The statistical tables Nos. 3 to 5 show in detail the receipts and expenditures of school moneys. As a rule counties have levied the minimum rate fixed by law, 50 cents per $100, of taxable property, and as they with but one exception report a balance on hand, while maintaining a reasonably long school year it would seem to be a sufficiently high rate

The earlier settlement of the country by a rural population, which, while sparse still permits of the establishment of school districts, will draw constantly upon the proportion of county moneys to which the urban communities are entitled, and this fixed minimum should by no means be lowered

A Territorial levy of 3 cents on the $100 valuation is also made for the purpose of maintaining a Territorial school fund. From this fund is paid the expense of General Supervision, printing and distribution of blanks, forms, &c , laws relating to the schools and reports. At intervals any surplus in this fund is apportioned and returned to the counties in the proportion of their children of school age. The discrepancies between the table showing these distributions and the receipts as reported by counties are caused by the failure of

county officers to keep the accounts distinct. Under the head of sites, &c., Maricopa County in the year 1889-1890 shows a very heavy expenditure resulting in a deficit. This is caused by the erection, elsewhere alluded to in detail, of two new school houses in the city of Phoenix.

The deficiency arose from the fact that at the date of the report the whole amount of special tax levied had not been collected.

The expense of county supervision in detail in the tables was for the year 1889, $4295.75 and for the year 1890, $4430.23.

The expense of Territorial or general supervision was a follows:

Superintendent, in accordance with Chap. III, Sec. 21.

1889, C. M. Strauss	
1890, Geo. W. Cheyney	$1,944.00
1890, Geo. W. Cheyney	500.00
1890, Geo. W. Cheyney	500.00
1890, Geo. W. Cheyney	500.00

Board of Examiners, in accordance with Chap. II, Sec. 18:

1889, J. Heney	$ 25.00
1889, S. M. Franklin.	25.00
1890, Geo. W. Cheyney	50.00
Dec. 22, 1890, G. R. Cresswell.	37.50
Dec. 22, 1890, Rev. C. F. Spray	37.50
Dec. 22, 1890, Geo. W. Cheyney.	36.25

Expense of printing and distribution of blanks in accordance with Chap. III, Sec. 19. Sub-division 4:

Jan. 3, 1889, Bank of Arizona, printing	$ 81.90
Jan. 12, 1889, J. S. Mansfield	4.50
Jan. 12, 1889, C. M. Strauss	150.90
Feb. 13, 1889, C. M. Strauss	20.00
March 22, 1889, C. M. Strauss	27.40
March 27, 1889, C. M. Strauss	37.88
April 4, 1890, C. M. Strauss.	17.50
April 4, 1890, Bancroft & Co	192.50
April 4, 1890, Tucson Star	10.00
April 4, 1890, Tucson Citizen	134.00
June 2, 1890, Tombstone Prospector	151.00
June 25, 1890, Geo. W. Chyeney	67.52
August 22, 1890, Geo W. Cheyney	66.00
Dec. 16, 1890, Geo. W. Cheyney.	35.20
Dec. 19, 1890, Meek & Madero	42.00
Dec. 30, 1890, Arizona Republican	160.00

In accordance with Chap. III, Sec. 19, Sub-division 7:

1890, Tombstone Epitaph, 1100 copies school laws in pamphlet..	500.00

For the two years, 1889 and 1890, the total expense of maintaining the school system of the Territory has been $342,763.22, and that of supervision of County and Territorial office supplies and printing $14,735.98, or about 4 per cent.

UNIFORM SYSTEM OF ACCOUNTS.

Probably the greatest reform, or need, in the school system is a uniform system of records and accounts. At present accounts of money received and expended are or should be kept by 187 Boards of Trustees, ten County Treasurers, ten County Superintendents and the Territorial Superintendent, and all on different plans, or at any rate without a general and Uniform system. The result is inevitable. Confusion reigns, and tabulation of records at given dates, as the law contemplates and requires, is simply impossible. An approximate financial record is worse than useless; a cash balance that does not balance, worse than misleading. The records of expenditures involving an annual sum of upwards of $200,000, and constantly growing, would seem to deserve attention not possible under the present system The inaccuracies and inconsistencies always evident upon the comparison of reports of different officers cannot be corrected by correspondence, and the duties of the General Superintendent must be enlarged if correctness is to be secured. I would therefore earnestly recommend the following legislation in connection with the office of Territorial Superintendent:

First. That he be empowered to prepare and prescribe a uniform system of record of accounts of school moneys received and disbursed, for the use of County Superintendents, County Treasurers and District Boards of Trustees, and that the same shall be adopted and used in each and every county in this Territory.

Second. That he shall be required to visit each and every county at least once in each year, and

audit the records of school moneys of each and every County Superintendent and County Treasurer.

Third. That he shall be paid actual and necessary traveling expenses.

I would also most earnestly recommend that the office of Superintendent of Public Instruction be made elective. Not only is the principle correct and the selection left to the people, where it belongs, but the efficiency of the office would, in my judgment be greatly increased.

The duties imposed upon him by law render him in many cases the superior officer of the county organizations, while the fact that he owes his position solely to the will of some appointing power, while they have passed the ordeal of public selection, detracts largely from the prestige of his office.

NORMAL SCHOOL.

The Territorial Normal School, situated at Tempe, Maricopa County, will in time prove a most valuable factor in the public school system.

The building is commodious, and in model well designed for the purpose to which it is devoted. A cabinet of philosophical apparatus and library of technical and reference books are well supplied and receiving constant additions.

Ample grounds surround the building particularly adapted to the purposes of an experimental farm, on which much attention will be bestowed. The primary purpose of the school is to provide for the Territorial schools a supply of trained teachers, but it is intended in addition that the school shall furnish an opportunity for an education at home beyond that possible in the grammar school, and the course of study has been so arranged that the pupil upon completing the grammar school course shall be fitted for entrance.

The Normal School is under the control of an especial Board of Education and is supported by an annual levy of 2½ cents per $100 valuation of property. The past year has marked a great increase in the efficiency and popularity of the school, there being now in attendance forty scholars, most of whom are fitting themselves for the vocation of teacher. The greatest need under which the school now labors is some provision for dormitories.

The management of the Normal School by a Board distinct from the general public school system seems unnecessary, and entails an additional expense; also the special annual levy of 2½ cents might be saved to the Territory, as by reference to the proceedings of the Territorial Board of Education it will be seen that a surplus was reapportioned to the counties from the school fund sufficient to have maintained the Normal School.

THE TERRITORIAL UNIVERSITY.

Situated at Tucson, Pima County, is the nucleus of an institution of higher education, mainly in those technical branches particularly adapted to our conditions

The following article taken from the Tucson Star contains a general idea as to what is being done by the Board of Regents of the University of Arizona, and I would recommend that an appropriation of $15,000 be made by this Legislature, for the purpose of building suitable quarters for the faculty and scholars on the university grounds. It is very essential that the instructors, as well as those to be instructed, should be as near the college building as possible, and by the erection of say three moderate sized dwellings for the faculty and their families, and a dormitory for the scholars, this could be all arranged at a moderate cost. The appropriation

above asked for could be made available one-half in the year 1891 and the other half in 1892.

[From the Tucson Star.]

The University of Arizona, with its several adjuncts, is fast growing to be an institution of more than ordinary importance. The law providing for the erection and maintenance of this institution of learning contemplates the establishment of five branches of education, but owing to the great and growing importance of mining in Arizona, the Board of Regents concluded to first erect and confine the limited resources to a school of mines, and to that end are pushing the work of establishment of this one branch.

This building is located on an elevated piece of land within one mile of the business portion of Tucson. The site is an excellent one, commanding a beautiful view of the valley of the Santa Cruz, the city of Tucson and the magnificent mountain ranges which surround her.

Owing to the confusion among the several Boards of Supervisors of the different counties last year as to their duty in making a tax levy of three-quarters of a mill, the Board was seriously handicapped for means and could not push to completion this magnificent building, thus delaying the opening of the school. There has been expended on this building of Territorial funds nearly $30,000, and it will take about $8000 more to complete it. The two west rooms have been completed by funds furnished by the Government.

By an act of Congress passed in 1882 and amended in 1886, each State and Territory, on the fulfillment of certain requirements, is granted $15,000 per annum for the establishment and maintenance of experimental agricultural stations, under the general supervision of the Secretary of Agriculture. Energetic efforts were instituted immediately upon Governor Wolfley's advent as Governor, looking to the securing of this amount for Arizona, and the efforts were crowned with success, and for year ending June 30, 1890, the Board of Regents received $10,000, this amount being their proportion of an amount included in a deficiency bill for the relief of Arizona, Utah and New Mexico. The amount for this fiscal year will be $15,000.

The Board were so fortunate as to secure the services of Mr. F. A. Gulley, a graduate of the Agricultural College of Michigan, as Director of Experimental Stations and Professor of Agriculture, and immediate steps were taken looking to the establishment of stations, that the various conditions and locations could have the benefit of these experiments. One has been located at Tucson, one at Phœnix, one at Tempe, and at Blaisdell's place, near Yuma. The one at Tucson will be principally conducted in experimenting with shrubs, trees and ornamental plants, forage and other grasses. The one at Phœnix, consisting of forty acres, within a mile of the city, will be used in experimenting with citrus and deciduous trees, the growing and curing of forage

grasses, irrigation and other experiments that will be of great value to the Salt River Valley. Those at Tempe, and also at Blaisdell's, will be fruit and grape culture, and much hopes are entertained by the Board of the ultimate success of the orange, lemon and lime experiments, at those three stations. The experiments which have been carried on during the past three years by Mr. Blaisdell will be carried on by the Board, thus having an excellent start.

Mr. C. B. Collingwood has been secured as chemist, and will at once begin making a chemical analysis of the soils and waters, and has already commenced testing the quality of sugar cane. beets and other saccharine plants, in hopes that the result will be favorable, as compared to other countries, thus inducing immigration to Arizona.

In addition to the above-mentioned amount received from the Government, by an act passed by Congress during September, the Territory has received $15 000 for the establishment and maintenance of an *Agricultural College*. This college will be located in the University building at Tucson, and run under the same Managing Board of Control as the School of Mines and the experimental stations. This amount has now been made available, and in the early spring the college will be opened for students A limited curriculum has been adopted, comprehending the study of the higher mathematics, botany, chemistry, mineralogy and agricultural sciences, taking the pupil as he graduates from our grammar schools and carrying him forward in the above-mentioned studies

Apparatus to the amount of $3000 has been ordered and will be here about February next. The greater portion of this comes from abroad, and importing in this manner, it is admitted free of duty, thus saving the profit of the middle man. The laboratory, to a limited extent, will be in operation by January 1st The University grounds have been laid out after the most approved fashion, sites being reserved for dwelling houses for the faculty immediately to the north of the present building, and a dormitory for the scholars, south and west of the present building, a wide drive leading to the main entrance of the building from the west, another encircling the greater portion of the grounds. The grounds are now being plowed and tree-planting will begin as soon as they arrive from California, from where they have been ordered.

The Territory is receiving a great benefit from this governmental act, and the Board should be encouraged and helped by the good will of the citizens of the Territory, as this is all the compensation they receive for the handling of those large sums of money

SCHOOL LAWS.

The code of laws controlling the school system is generally admirable. A broad criticism would be

that in detail it is too inflexible, and does not allow reasonable discretion on the part of any officer, no matter what the circumstances. In a few instances it conflicts with U. S. Statutes, and in others an experience of some years has shown it not adapted to all conditions.

Accompanying this report I have submitted the draft of certain changes that seem to be judicious, and respectfully recommend their enactment.

THE TERRITORIAL BOARD OF EDUCATION.

Five meetings of the Board have been held at the capital of the Territory. At the meeting held on April 2, 1890, the sum of Five Thousand Dollars, in the Territorial School Fund, was apportioned to the various Counties as follows:

COUNTY.	NO. OF CENSUS CHILDREN	PER CENT.	AMOUNT.
Apache	1264	.097	$ 485 00
Cochise	1308	.101	505 00
Gila	424	.033	165 00
Graham	1519	117	585 00
Maricopa	2596	20	1000 00
Mohave	210	.017	85 00
Pima	2735	.211	1055 00
Pinal	1057	.082	410 00
Yavapai	1316	10	500 00
Yuma	547	.042	210 00
	12976	1.000	$5000 00

At the meeting held June 6, 1890, the regulation appearing under the head of Instructions to Teachers and numbered 7, on page 49 of the Pamphlet Laws, and reading as follows. "Corporal punishment is not allowed, and teachers must refrain from inflicting the same, for any cause whatever, under penalty of immediate removal. But the teacher shall suspend a pupil temporarily for any offense or breach of discipline, and shall immediately notify the Trustees and the parent or parents or guardian of such child of such action," was changed to read as follows:

"Any teacher who may inflict excessive or cruel punishment upon pupils will be subject to removal, and Boards of Trustees must, upon complaint of parent or guardian, at once investigate, and if in their judgment this rule has been violated, inflict the penalty."

The question of corporal punishment of school children, and its legal prohibition, has been here, as elsewhere, the subject of endless argument and difference of opinion.

Teachers, as a rule, have complained of the inflexible provision which has heretofore been the law, and it was deemed best by the Board to remand the subject to the judgment of Boards of Trustees, where it rightfully belongs. Usually they have themselves, children attending the schools immediately under their control, and they are familiar with the class of children and the best means needed for their control, as well as the capacity of the teacher to govern and to punish judiciously.

The Board has issued life and educational diplomas to the following.

NAME.	ADDRESS.	DATE.	GRADE.
Mrs. Blanche R. Burnham	Phœnix	June 6, '90	Life.
Mrs. Susan E. Cox	Phœnix	June 6, '90	Life.
Miss Minnie J. Hart	Tombstone	June 6, '90	Life.
Miss Augusta Hildebrant	Florence	June 6, '90	Life.
W. W. Gillette	Tucson	Aug. 30, '90	Life.
Charles H. Tully	Tucson	Aug. 30, '90	Life.
T. E. Dalton	Phœnix	Aug. 30, '90	Life.
Rev. R. A. Windes	Camp Verde	Aug. 30, '90	Life.
Mrs. Louise M. Howe	Tombstone	Aug. 30, '90	Life.
Mrs. Susan H. Summers	Florence	Aug. 30, '90	Life.
J. N. Piper	Prescott	Aug. 30, '90	Life.
Mrs. M. B. Cullomber (re-issue)	Prescott	Aug. 30, '90	Life.
Hon. R. L. Long	Phœnix	Aug. 30, '90	Life.
Mrs. Lena F. Sears	Phœnix	Aug. 30, '90	Educational.
S. G. Harper	Lochiel	Aug. 30, '90	Educational.
Everett E. Putnam	Dudleyville	Aug. 30, '90	Educational.
Miss Alba Harrer	Payson	Aug. 30, '90	Educational.
Miss Alice E. Hunter	Safford	Dec. 2, 90	Educational.

No change in the list of prescribed text books has been made in the past two years.

TERRITORIAL BOARD OF EXAMINERS.

This Board has held nineteen meetings. They have prepared and issued a uniform set of examination questions for the use of Boards of County Examiners at the regular quarterly examinations, held on the first Monday each of March, June, September and December. They have also issued certificates, valid in any county in the Territory, to the following

NAME.	ADDRESS.	DATE.	GRADE.
E. Joscelyn	Mayer	June 26, '90	First
E. O. Marsh	Tanque Verde	June 28, '90	First
Miss Kate L. Heizer	Tucson	June 28, '90	First
Miss Dollie M Lee	Phœnix,	June 28, '90.	First
Miss Annie M. Perley	Phœnix	June 28, '90	First
Miss Gussie Gilbert.	Phœnix	July 24, '90	First
Charles O. Case	Phœnix.	July 24, '90	First
Miss Edith Stowe	Tombstone	July 24, '90	First
Miss Minnie Hill.	Tombstone	Aug. 16, '90	First
Miss Maggie Hill...	Tombstone	Aug. 16, '90	First
Rev. A H. Gunnett	Tucson	Sept. 15, '90	First
W. O. Bowman	Tucson	Sept. 15, '90	First
Miss Ella D. Baker	Phœnix	Sept. 17, '90	First
W. S. Varnum	Phœnix	Sept. 17, '90	First
Miss Rhoda T. McEwen	Phœnix	Sept 17, '90	First
George W Nash	Globe	Sept 17, '90	First

There have been granted by the various County Boards of Examiners teacher's certificates as follows

APACHE COUNTY.

NAME.	DATE	GRADE.
Emma J. Livingstone	July 26, '88	First
Emma Rudd	Sept. 4, '88	Second
James S. Skaggs	Sept. 4, '88	First
Mrs Bessie Frank.	Dec. 6, '88	Second
Lois C. Moorehead	Mar 6, '89	Second
H. T. Bushman	Mar 6, '89	Second
George N. Watson	Mar. 6, '89	First
Allen Frost	Mar. 6, '89	First
John W. Brown.	June 4, '89	First
William Reid	June 4, '89	First
Mrs. S. F. Heywood	June 4, '89	Second
Miss Mary J Noble.	June 4, '89	Second

NAME.	DATE.	GRADE.
W. D. Rencher	Sept. 3, '89	First
Joseph Hollister	Sept. 8, '89	First
Emma L. Pringle	Sept. 30, '89	First
T. P. Huff	Dec. 1, '89	First
Prince Coleman	Mar. 4, '90	Second
J. W. Smith	Mar. 6, '90	Second
Mrs. Grace Vinal	Apr. 1, '90	Second
J. W. Smith	June 3, '90	Second
J. C. Lathrop	Sept. 3, '90	Second

COCHISE COUNTY.

NAME.	DATE.	GRADE.
Charles W[illegible]	Sept. 4, '88	Second
Gertrude Howe	Sept. 4, '88	First
William M. Rivers	Dec. 4, '88	First
Elizabeth Greenwalt	Dec. 4, '88	First
Belle Sanderson	Dec. 4, '88	Second
Frank M. Pool	Dec 4, '88	Second
C. M. Gilmore	Dec. 4, '88	Second
W. E. Farris	Dec. 4, '88	Second
J. A. McRae	Dec. 4, '88	Second
J. M. R. Acido	Dec. 4, '88	Second
Maria L. Ellis	Dec. 4, '88	Second
Mrs. Louis M. Howe	Mar. 4, '89	First
Harry Scott	June 3, '89	First
Minnie E. Hill	June 3, '89	First
Maggie E. Hill	June 3, '89	First
Edith Stowe	June 3, '89	First
Minnie L. Scott	Sept. 3, '89	Second
Alice Hunter	Sept. 3, '89	Second
Annie Douglass	Sept. 3, '89	Second
C. L. Prouty	Dec. 2, '89	Second
Rose Ferth	Dec. 2, '89	Second
Isabel Grenfel	Mar. 3, '90	Second
Clara Herrick	Mar. 3, '90	Second
Laura Cochrane	June 3, '90	First
Charles H. Wilds	June 3, '90	First
Belle Grenfel	June 3, '90	First
Lizzie Hall	June 3, '90	Second

GILA COUNTY.

NAME.	DATE.	GRADE.
Peter F. Robertson	Sept. 4, '88	Second
Mrs. Vena Thomas	Dec. 4, '88	Second
Miss Alba Harrer	Dec. 4, '88	Second

NAME.	DATE.	GRADE.
Annie Laurie McNair	Sept. 3, '89	First
J. N. Huffer.	Dec. 4, '89	First
Mrs. Martha K. Ross	June 4, '89	Second
Mrs. Louise R. Medler	Sept. 6, '89	Second
Harry W. Nash.	Mar. 4, '90	First

GRAHAM COUNTY.

NAME.	DATE.	GRADE.
Thomas E. Williams	Aug. 27, '88	First
W. M. Whipple	Sept. 5, '88	First
Miss Carrie Barnett	Sept. 18, '88	First
Leslie Webb	Dec. 5, '88	First
A. D. Brewer	Dec. 5, '88	First
Miss A. E. Adair	Dec. 5, '88	First
Edward M. East	Dec. 5, '88	Second
Ella Reynolds	Mar. 5, '89.	Second
Mary Whelan	Mar. 5, '89	Second
John F. Nash	June 4, '89	Second
Seth C. Jones	Aug. 12, '89	Second
Fred Webb	Sept. 4, '89	First
Josephine Jones	Sept. 4, '89	Second
Jerome H. Vaughan	Sept. 6, '89	Second
Carrie N. Hunt	Dec. 3, '89	Second
E. J. I. Janes	Dec. 3, '89	Second
H. G. Boyle	Dec. 3, '89	Second
Mrs. Anna R. Jeter	Dec. 3, '89	Second
Nellie E. Hilton	Mar. 4, '89	Second
O. L. Durkes	Mar. 4, '89	Second

MARICOPA COUNTY.

NAME.	DATE.	GRADE
Grace Perley	Sept. 6, '88.	First
F. H. Parker	Sept. 6. '88	First
D. L. Sturgis	Sept. 6. '88	Second
Jennie Whitcomb	Sept. 6, '88	First
Charlotte M. Way	Dec. 8, '88	First
Frank J. Duffy	Dec. 8, '88	First
J. A. Cranston	Dec. 8, '88	Second
J. C. Cole.	Dec. 8, '88	Second
Richard Lusk	Dec. 8, '88	Second
M. J. Anderson	Dec. 8, '88	Second
Margaret Tantau	Dec. 10, '88	First
M. A. E. Blake	Dec. 10, '88	First
Mrs. D. L. Sturgis	Mar. 6, '89	First
Rhoda T. McEwen	Mar. 6, '89	First

NAME.	DATE.	GRADE.
Thomas R. Condie	Mar. 6, '89	Second
Ida L. Empey.	Mar. 6, '89	Second
Lulu Sampson...	Mar. 6, '89	Second
Minnie Philbrook	Mar. 6, '89	Second
Lulu Barnum	Mar. 6, '89	Second
Mrs. Lena E. Williams	Mar. 6, '89	Second
Martha L. Haskell	Mar. 6, '86	Second
Edna Warren	Mar. 6, '89	Second
Lillian Shepherd	Mar. 6, '89	Second
Irene Broadhurst	Mar. 6, '89	First
Theodore P. Banta	Mar. 6, '89	First
Tennie Cameron.	June 4, '89	First
Charles D. M. Williams	June 4, '89	First
Lizzie P. Caruthers	June 4, '89	First
Lillian Cox	June 4, '89	First
Lida Parce.	June 4, '89	First
Edna Warren	June 4, '89	First
Nellie Kendall	June 4, '89	First
Angela Hutchison	June 4, '89	Second
Florence Kay	June 4, '89	Second
Dollie M. Lee	June 4, '89	Second
Mrs. M. Willard	June 4, '89	Second
Mrs C. E. Reinhert	Sept. 4, '89	First
Addie H. Kinsie	Sept. 4, '89	First
Gussie Gilbert	Sept. 4, '89	First
Martha L. Haskell	Sept. 4, '89	First
Ollie Gilbert	Sept. 4, '89	First
Anna Gilbert	Sept. 4, '89	First
Myra Lechner	Sept. 4, '89	First
Charles A. Rohr	Sept. 4, '89	First
Rose Proops..	Sept. 4, '89	First
George E. Pooler	Sept. 4, '89	First
Evan Griffiths	Sept. 4, '89	Second
Mrs. Mary G. Wisdom.	Sept. 4, '89	Second
Belle Schorwick..	Sept. 4, '89	Second
Mrs. Lucy H. J. Emmert.	Sept. 4, '89	Second
Marguerite Banta.	Sept. 4, '89	Second
Lizzie E. McDonald	Dec. 4, '89	First
Gussie Gilbert.	Dec. 4, '89	First
Charles O. Case	Dec. 4, '89	First
Belle McDonald	Dec. 4, '89	First
Eliza Reed	Jan. 4, '90	First
Alice King.	Mar. 5, '90	First
Belle A. Schultz	Mar. 5, '90	Second
Martha France	Mar. 5, '90	Second

NAME.	DATE	GRADE
Eben Howe	June 4, '90	First
Belle Robson	June 4, '90	First
Zetta Pomeroy	June 4, '90	First
Rhoda T. McEwen	June 4, '90	First
Dollie M. Lee	June 4, '90	First
J. C. Cole	June 4, '90	Second
Annie M. Perley	June 4, '90	First
Laura O. Dobbs	June 4, '90	First
George P. Dykes	June 4, '90	Second
Belle Schornick	June 4, '90	Second
Florence Kay	June 4, '90	First
Newell W. Murch	June 4, '90	First
Frank L. Wham	June 4, '90	Second
W. J. Anderson	June 4, '90	First
Mamie Garlick	Sept. 6, '90	First
Rhoda T. McEwen	Sept. 6, '90	First
Ella D. Baker	Sept. 6, '90	First
Victoria Shaw	Sept. 6, '90	First
Anna Estes	Sept. 6, '90	First
Anna L. Whitlock	Sept. 6, '90	First
Lucy J. Wills	Sept. 6, '90	First
Annie M. White	Sept. 6, '90	Second
Nannie H. Barkley	Sept. 6, '90	First
Walter S. Varnum	Sept, 6, '90	First
F. L. Smart	Sept. 6, '90	First
Caroline W McNair	Sept. 6, '90	First

MOHAVE COUNTY

NAME.	DATE	GRADE.
Lottie Davis.	Dec. 4, '88	Second
Jennie Crothers	Dec 4, '88	Second
John H. Childs.	Sept. 3, '89	First
Lizzie Starkey.	Sept. 3, '89	Second
Julia Stillwell	Sept. 3, '89	Second
Kate Dwyer	Dec. 3, '89	First
Hattie F. Howell	Dec 3, '89	Second
Mrs. Lydia Patridge	Dec. 3, '89	Second

PIMA COUNTY.

NAME.	DATE	GRADE.
Alice H. Sprecher	Sept. 6, '88.	First
J. S. Hodgins	Sept. 6, '88	First
A. V. Kelly	Sept 6, '88	Second
Louise Grant	Sept. 6, '88	Second
H. M. French	Sept 6, '88	Second

NAME.	DATE.	GRADE.
Pauline McCaughey	Sept. 6, '88	Second
Anna B. Strough	Sept. 6, '88	First
Cora M. Nelson	Sept. 6, '88	First
Alice M. Clark	Sept 6, '88	First
Annie M. Dyer	Sept. 6, '88	First
Agnes Campbell	Sept. 9, '89	Second
W. S. Norton	Sept. 9. '89	Second
W. H. Harvey	Sept. 9, '89	Second
Harry Scott	Sept. 9, '89	Second
Kate L. Heizer	Sept. 9, '89	Second
Mamie A. Shibell	Mar. 4, '90	Second
E. O. Marsh	June 4, '90	First
Kate L. Heizer	June 4, '90	First

PINAL COUNTY.

NAME.	DATE.	GRADE.
Kate Roane	Sept. 4, '88	Second
Edith Strohn	Dec. 3, '89	Second
Ida L. Empey	Dec. 3, '89	Second
Vena Thomas	Dec. 3, '89	Second
Everett E. Putnam	June 3, '90	First

YAVAPAI COUNTY.

NAME.	DATE.	GRADE.
Imogene Gould	Sept. 3, '88	First
Flora Weatherford	Sept. 3, '88	First
Lily Banta	Sept. 3, '88	Second
A. E. Joscelyn	Sept. 3, '88	Second
Mabel Allen	Sept. 3, '88	Second
Laura Patrick	Sept. 3, '88	Second
Clara Coffin	Sept. 3, '88	Second
May Cutter	Sept. 3, '88	Second
Nannine Davis	Dec. 3, '88	Second
Mrs. E. M. Jennings	Dec. 3, '88	Second
May Martin	Dec. 3, '88	Second
Sadie Lowe	Dec. 3, '88	First
Z. L. Kay	Mar. 4, '89	Second
Emma Livingston	Mar. 4, '89	First
Lottie Coots	June 4, '89	Second
Alice Postte	June 4, '89	Second
J. W. Ross	June 4, '89	First
Emma York	June 4, '89	First
Jennie Jordan	Sept. 4, '89	First
Jennie Beardsley	Sept. 4, '89	First
L. F. Kiggins	Sept. 4, '89	First

NAME.	DATE.	GRADE.
P. B. McRoberts	Dec. 3, '89	Second
R. M McRoberts	Dec. 3, '89	Second
Lola Woods	Dec. 3, '89	Second
Cora Brown	Dec. 3, '89	Second
Emily B. Parke	Dec. 3, '89	First
Mrs. Walter G. Bates	Dec. 3, '89	First
Jennie Crothers	Dec. 3, '89	Second
Fannie L. Willard	Dec. 3, '89	Second
Sadie J. Potts	Dec. 3, '89	Second
H. H. C. McKesson	Dec. 3, '89	First
Woodville H. Williams	Dec. 3, '89	Second
Ollie Stringfield	June 3, '90	Second
A. E. Joscelyn	June 3, '90	Second

TEACHERS EMPLOYED IN THE PUBLIC SCHOOLS

December 1, 1890.

APACHE COUNTY.

NAME.	DISTRICT.	DATE.	GRADE.
S. D. Moore	St. Johns	June 5, '88	First
Bessie Frank.	St. Johns	Sept. 2, '90	Second
S. F. Heywood	St. Johns	June 4, '89	Second
Miss Nancy Noble	St. Johns	Dec. 2, '90	First
E. C. Bunch.	Springerville	Dec. 2, '90	First
L. A. Swan	Springerville	Dec. 5, '90	First
W. D. Rencher	Amity.	Sept. 3, '89	First
Wm. Reid	Nutrioso	June 4, '89	First
None	El Tule		
Mrs. Grace Vinal	Concho	April 1, '90	Second
J. W. Smith.	Pinedale.	June 3, '90	Second
A. A. Armstrong.	Taylor	April 26, '88	First
Allen Frost	Snowflake	Mar. 6, '89	First
No school at present	Woodruff		
L. C. Morehead	St. Joseph	Mar. 6, '89	Second
T. P. Huff	San Pedro.	Dec. 17, '89	First
Ella E. Williams	Holbrook	Mar. 27, '89	First
Mrs. E. B. Coleman	Alpine	Mar. 23, '89	Second
George E. Kentner	Pine Top.	Dec. 2, '90	First
Mary A. Cooper	Show Low	Dec. 2, '90	First
A. L. Wright	Winslow.	Dec. 2, '90	First

COCHISE COUNTY.

NAME.	DISTRICT.
Prof. T. E Dalton	Tombstone
Miss Sarah I. Herring	Tombstone
Miss Bertha Herring	Tombstone
Mrs. W. F. Bradley	Tombstone
Miss Mary Hennessey	Tombstone
Prof. A. G. Brown	Bisbee
Miss Minnie Hill	Bisbee
Miss Belle Grenfell	Bisbee
Miss Belle Sanderson	Soldier Holes
Miss Edith Stowe.	Charleston
Miss Maggie Hill.	Fairbanks
Mrs. Annie McGrew	Contention

NAME.	DISTRICT.
Prof. C. H. Wilds.	St. Davids
Prof. E. O. Marsh.	Benson
Miss Annie M. Douglass	Benson
Miss Lizzie Hall	Tres Alamos
J. M. R. Acido	Pool
Miss Laura Cochrane	Dragoon
Prof. N L. Guthrie	Wilcox
Miss Alice Hunter	Wilcox
Mrs. Elizabeth P McKean	Bowie
Miss Henriette Treat.	Dos Cabezas
Prof. C. L. Prouty.	Brannock
Miss Daisy M. Robinson.	Hereford
Prof. Frank M. Pool	Bohn
John Hill, Jr	San Pedro

GILA COUNTY.

NAME.	DISTRICT	DATE.	GRADE.
Charles O. Case	Globe.	July 25, '90	First
George W. Nash	Armer	Sept. 16,'90	First
Mrs. Mary E. Stocking	Armer	June 29,'89	Second
Mrs. Carrie Stanton	Rye	April 13.'85	Diploma
Mrs. Louise R. Medler	Globe	Sept. 6, '89	Second
Miss Alba Harrer	Payson	Dec. 4, '90	Second
J. N. Huffer	Pine.	Dec. 4, '89	First
H. W Nash	Globe	Mar. 4, '89	First
Miss Carrie E. French	Globe	Dec 3, '90	First
Minnie Webb	Tonto.	Dec. 3, '90	Second
H. Q. Robertson	Globe		Normal School

GRAHAM COUNTY.

NAME.	DISTRICT.
Miss Alice E. Hunter	Safford
Miss Nellie E. Hilton	Duncan
Miss A. E. Adair	Clifton
Miss W. A. Davis	Clifton
Seth C. Jones	Thatcher
Mrs. A. V. Kelley	Solomonville
Miss Mollie Murphy	Solomonville
William M. Whipple	Pima
Mrs. Anna R. Jeter	Pima
Mrs. Rodha E. Foster.	Pima
Miss Maud Croy	Thomas
Henry G. Boyle	Graham
O. L. Durkee	Gran

NAME.	DISTRICT.
I. B. Vaughan	San José
Fred Webb	Curtis
Mrs. Josephine Cluff	Central
Miss Imogene Van Siclen	Aravaipa
J. L. Dunford	Layton
Leslie Webb	Matthews
Pedro Michelena	Mejia
Miss Joanna Merrill	Bryce
Miss Cora Stark	Stockton Pass

MARICOPA COUNTY.

NAME.	DISTRICT.	GRADE.
F. L. Smart	Phœnix	First
Anna Estes	Phœnix	First
Caroline W. McNair	Phœnix	First
Grace Perley	Phœnix	First
Addie H. Kinsey	Phœnix	First
Mary L. Whitlock	Phœnix	First
Addie Kelly	Phœnix	First
Ada Kelly	Phœnix	First
Mrs. Florence Mann	Phœnix	First
Alice King	Phœnix	First
Nellie Kendall	Phœnix	First
Mamie Garlick	Phœnix	First
Rose Proops	Phœnix	First
F. J. Duffy	Tempe	First
Mrs. C. E. Rembert	Tempe	First
F. J. Netherton	Mesa	First
Anna Gilbert	Mesa	First
Belle Robson	Mesa	First
Mrs. Edna Parker	Phœnix	Life Diploma
Agnes Stover	Phœnix	First
Richard Lusk	Phœnix	Second
F. H. Parker	Phœnix	First
Martha Sears	Phœnix	Normal Diploma
Ollie Gilbert	Wickenburg	First
G. W. Ingram	Lehi	First
Florence Kay	Peoria	First
Myra Lechner	Agua Caliente	First
J. M. Emmert	Tempe	Life Diploma
J. C. Cole	Phœnix	Second
George P. Dykes	Gila Bend	Second
Lillian Cox	Phœnix	First
Dollie M. Lee	Phœnix	Second

NAME.	DISTRICT.	GRADE.
Walter S. Varnum	Lehi	First
Belle Schornick	Mesa	Second
Zetty Pomeroy	Mesa	First
Evan Griffith	Tempe	Second
Minnie Philbrook	Phœnix	Second
Nannie H. Barkley	Gila Bend	First
Belle McDonald	Phœnix	First
Mrs. M. Willard	Gila Bend	Second
Rhoda McEwen	Buckeye	First
Mrs. Etta B. Johnson	Tempe	Normal School Diploma
W. H. South	Buckeye	Second
Eben Howe	Tempe	First
Lulu Sampson	Tempe	Second
Wm. J. Anderson	Phœnix	First
Anna M Perley	Phœnix	First
Lucy J. Wills	Agua Caliente	First
Martha L. Haskell	Buckeye	First
Laura O. Dobbs	Gila Bend	First
Nanna Brown	Phœnix	Normal School Diploma
Mrs. Lena E. Williams	Phœnix	Second
Lena Coughran	Buckeye	Normal School Diploma
Anna M. White	Phœnix	Second
Mrs. Helen Marlar	Phœnix	Temporary

MOHAVE COUNTY.

NAME.	DISTRICT.	DATE	GRADE.
Emma Harris	Peach Springs	Dec 1, '90	Second
Lydia Patridge	Mineral Park	Dec. 3, '89	Second
Kate Dwyer	Hackberry	Dec. 3, '89	First
R. R. Ogden	Kingman	Sept., '90	First
Angie Wilson	Whitney	Dec. 1, '90	Second
Elzadia Bowman	Sandy	Sept. 1, '90	Second
Julia Stilwell	Signal	Sept. 3, '89	Second
A. W. McArthur	Cerbat	Sept 3, '90	First
	Beaver Dam		
	Willows		
Melbred Fuler	Chloride	Sept. 1, '90	Second

PIMA COUNTY.

NAME.	DISTRICT.
W. C. Bowman	Tucson
F. A. Norton	Tucson
W. R. Holladay	Tucson
Mrs. F. J. Warren	Tucson

NAME.	DISTRICT.
Mrs. A. M. Dyer	Tucson
Mrs. Sallie Leslie	Tucson
Miss Lizzie Borton	Tucson
Miss H. F. Bean	Tucson
Miss Bessie Tevis	Tucson
Miss M A. Shibell	Tucson
Miss M A. Mulford	Tucson
Miss Nellie Pomroy	Tucson
Miss Lizzie Royce	Tucson
Mrs. Agnes Marsh	Benson
Mrs. A. O. Haskin.	Tucson
S. G. Harper	Lochiel
L. Hathaway.	Lochiel
Charles H. Tully.	Tucson
J. F. Black	Tubac
Mrs. S. M. Black.	Tubac
Miss Kate L. Heizer	Quijotoa
Joseph W. Chapman	Nogales
Mrs. A. J. Bale.	Nogales
Lucillo Walker	Calabasas
Miss Susie E. Clark	Oro Blanco
Wm. McNaul	Harshaw
Teofilo Aros	Arivaca
Miss M. Corra	Tucson
Mrs. Jessie G. Byrne	Arivaca
Miss Lura Hoilman	Tanque Verde
Harry Scott	Evans Camp
Miss M. Holmes	Crittenden

PINAL COUNTY.

NAME.	DISTRICT.	DATE.	GRADE.
A. K. Hitchcock.	Florence	Dec. 30, '87	First
Augusta Hildebrand.	Florence		Life Diploma
Mrs. S. H. Summers	Florence.		Life Diploma
Ida L. Empey	Florence	Dec. 3, '89	Second
M. E. Wratten	Florence.	Dec. 6, '90.	Second
E. E. Putnam	Mammoth		Ed. Diploma
Bertha B. Stout	Vekol.	Sept. 9, '87	First
Georgia Holmesly	Silver King	June 6, '87	N. School
Anna Harrison	Dudleyville	Dec. 3, '90	First
Nellie D. Swan	Pinal	Dec. 3, '90	First
Mamie C. Kennedy	Reymert.	Dec. 3, '90	Second

STATISTICS.—JULY 1, 1888, TO JUNE 30, 1889.

COUNTIES.	SCHOOLS. No District	No. Gram'r	No. Primary	TEACHERS Male	Female	CHILDREN Census, 6 to 18	Enrolled, Boys	Enrolled, Girls	Total	AVERAGE PUPILS Belonging	Attenda'ce	PER CENT. CENSUS. Belonging	Attenda'ce	Average School Year	SCHOOL LIBRA'S Number	Volumes	New School Houses	AVERAGE SALARIES. Male	Female	Rate County Tax per $100	VALUE School Property	COST Per Child per Month
Apache	16	6	11	11	6	1,261	187	484	971	652	571	51	45	5½	3	61		$78 55	$61.66	.50	$ 2,492	$3 13
Cochise	19	1	18	10	13	1,308	483	416	899	599	531	46	40	7 1-4	1	50	.	83 50	82 00	50	12,750	5 11
Gila	8	.	8	2	7	266	113	97	210	157	140	59	55	5 1-4	.	...	..	95 00	79.28	65	2,304	6 15
Graham	13	1	16	11	6	1,519	462	407	869	669	572	77	66	7	4	132	.	88 25	80 00	.50	6,577	3 44
Maricopa	31	7	37	13	28	2,596	906	895	1801	988	885	38	34	6¼	5	215	2	80.70	68.60	60	60 409	5 88
Mohave	9	3	5	1	7	210	60	67	127	91	77	45	37	6	.	..	1	70 00	72 85	50	2,850	10 63
Pima	18	5	25	8	22	2,735	701	490	1191	862	805	31	29	7¼	6	378	1	90 35	78.10	.50	80,289	4 27
Pinal	9	2	10	2	10	1,057	122	116	238	116	107	11	10	7	2	200	..	107.50	82.50	.50	18.124	16 05
Yavapai	29	2	32	14	20	1,264	412	407	849	591	519	47	41	6½		225	..	80.00	75.00	50	36,863	6 98
Yuma	6		5	..	5	369	65	66	131	82	77	22 2-10	20 8-10	6		..	....	.. ..	...	...	. .	..
	161	27	170	75	121	12,588	3,811	3,445	7,286	4,813	1,293	38 2-10	34 1-10	6 4-10	22	1,291	4	$86.00	$75 55	.	$222,958	$5 48

STATISTICS —JULY 1, 1889, TO JUNE 30, 1890.

COUNTIES.	SCHOOLS. No District	No Gram'r	No Primary	TEACHERS Male	Female	CHILDREN. Census, 6 to 18.	Enrolled, Boys.	Enrolled, Girls	Total	AVERAGE PUPILS. Belonging	Attenda'ce	PER CENT. CENSUS Belonging.	Attenda'ce	Average School Year	SCHOOL LIBRA'S. Number	Volumes	New School Houses	AVERAGE SALARIES Male	Female	Rate County Tax per $100	VALUE School Property	COST Per Child per Month
Apache	16	5	11	11	10	1,261	537	.520	1,057	663	539	52	45	5⅔	3	75		$ 82 00	$62 00	50	$ 3,167	$2 61
Cochise	20	4	16	10	17	1,308	511	435	946	746	621	57	47	6 9 10	3	676	3	88 00	77 00	50	23,239	4 63
Gila	17	5	12	9	8	424	196	175	371	261	237	61	55	18-10		.	..	75 43	79 27	75	3,461	6 16
Graham	16	1	18	12	7	1,655	360	311	671	545	436	33	26	6	5	193	1	80 00	73 00	50	9,488	4 60
Maricopa	35	13	37	11	36	2,596	934	862	1,796	1,076	981	41	37	6¼	6	327	4	81 92	70 83	51 8	78,884	8 42
Mohave	9	3	6	2	7	211	60	68	128	92	81	43	38	7			.	72 50	75 00	50	3,250	9 66
Pima	19	5	27	11	21	2,735	840	571	1,411	855	775	31	28	6½	2	311	1	85 90	75 00	50	83,263	5 12
Pinal	10	2	9	3	11	1,056	244	167	411	255	229	24	21	6 8-10	1	200	1	111 66	84 11	60	17,897	7 86
Yavapai	38	2	36	20	24	1,264	535	501	1,036	742	660	57	52	5	3	219	5	80 00	75 00	50	43,086	8 80
Yuma	7		7	1	6	369	100	56	156	131	113	35	30	6½	1	230		80 00	82 20	65	2,400	6 49
	187	10	179	93	147	12,882	4 320	3,669	7,989	5,366	4,702	41 6	36 5	6 3-10	24	2,261	15	$ 82 15	$74 45	.	$268,435	$5 97

FINANCIAL STATEMENT.—JULY 1, 1888, TO JUNE 30, 1889.

COUNTIES	RECEIPTS Bal July 1, 1888	Territo'y	County	District, &c	Total	EXPENDITURES Teachers' Salaries	Rents, repairs, etc	Libraries	Apparatus.	Sites, &c	Total	Bal June 30, 1889	Co Sup'rvis'n.
Apache	$ 1,932 33	$ 561 50	$ 8,827 25	$.	$ 11,321 08	$ 7,991 18	$ 931 39		$ 168 00	$ 329 40	$ 9,123 27	$ 1,897 86	$ 519 35
Cochise	2,892 67	536 00	21,861 26	21 00	25,310 94	15,725 00	2,548 87	.	292 00	1,211 58	19,787 45	5,523 48	566 00
Gila	310 01	.	4,327 70	246 69	1,914 43	3,585 65	785 25	.			4,370 90	543 53	101 50
Graham	3,138 05		12,016 39	235 00	15,389 44	9,813 85	2 491 18	$ 45 00	57 50	911 99	13,382 52	2,000 92	405 00
Maricopa	5,884 36	998 02	30,399 28	2,746 15	39,938 11	19,889 85	9,713 62	.	251 60	2,182 56	32,037 63	7,900 48	450 00
Mohave.	1,037 87	47 00	4,679 66	313 00	6,075 53	3,709 03	858 60	.	.	344 00	4,911 63	1,163 90	344 00
Pima	6,083 77	902 00	21,498 00	200 00	28,683 77	19,122 00	5,835 59	124 00	165 40	1,013 95	26,291 04	2,392 73	379 80
Pinal	3,757 47	453 50	9 880 50	155 35	14,246 82	7,833 32	2,461 03		139 30	1,307 49	11,741 14	2,505 68	278 55
Yavapai	5,211 09		22,856 00	.	28 067 09	18,209 36	3 804 39		75 00	1,009 08	23,097 83	4,969 26	466 50
Yuma	199 39		5,635 76	.	5,835 15	.	.			.	5,500 00	335 15	455 00
	$30,177 01	$3,496 02	$141,891 80	$3,917 19	$179,782 35	$105,909.51	$29,135 92	$169 00	$1,148 80	$8,370 05	$150,543 41	$29,238 94	$4,205 75

FINANCIAL STATEMENT.—JULY 1, 1889, TO JUNE 30, 1890.

COUNTIES	RECEIPTS Bal July 1, 1889.	Territo'y	County	District, &c	Total.	EXPENDITURES. Teachers' Salaries	Rents, repairs, etc	Libraries	Apparatus	Sites, &c.	Total	Bal. June 30, 1890	Co Sup'rvis'n
Apache	$ 1,897 81	$ 483 00	$ 8,029 00	$ ..	$ 10,409 81	$ 7,133 50	$ 996 12	.	.		$ 8,429 62	$ 1,980 19	$ 437 35
Cochise	5,523 48	505 00	19,055 85	16 00	25,100 33	16,513 25	2,705.22	$ 32 75	$ 125 00	$ 459 20	19,865 42	5,234 91	495 85
Gila	513 53		7,528 65	122 11	8,194 29	6,331 90	489 85		.	181 91	7,006 66	1,187 63	394 88
Graham	2,006 92		12,489 06	1,491 10	15,987 08	8,784 18	1,533 19	.		1,737 38	12,054 75	3,933 33	380 00
Maricopa	7,900 48	.	30.261 20	9,904 60	48.066 28	21,622 90	5,972 97	28 00	$2,351 07	18,662 55	51,611 49	*3,575 21	497 10
Mohave	1,163 90	85 00	6,071 39	20 30	7,343 59	4,637 50	326 80		124 10	388 00	5,176 70	1,866 89	388 00
Pima	2,392 73		22,970 00	1,603 82	26,966 55	18,131 60	4,686 99	50 00	140 00	2,726 94	25,735 53	1,231 02	427 00
Pinal	2,505 68		12,667 00		15,172 68	8,948 58	1,960 94		272 35	979 50	12,161 37	3,011 31	377 55
Yavapai	4,969 26	500 00	32,909 78	.	38,379 01	23,265 11	1,852 81	7 00	1,705 00	2,772 11	29,602 11	8,776 63	542 50
Yuma	335 15	210 00	5,064 50	59 40	5,669 05	4,475 00	778 76	66 25	189 87	.	5,509 88	159 17	490 00
	$29,238 94	$1,783 00	$157,049 43	$13,217 33	$201,288 70	$123,177 82	$21,303 65	$184 00	$4,910 69	$27,907 62	$177,483 83	$23,801 87	$4,430 23

*Overdraft

TABLE SHOWING EDUCATIONAL PROGRESS IN THE TERRITORY FOR THE PAST EIGHT YEARS.

YEAR.	Total Receipts.	Total Expenditures.	No of Schools	Average School Month	Census Children	Av. Daily Attendance	Daily attendance—Pr Ct. on Census.	Teachers Empl'd	Av. Salary per Month	Cost pr Child per Mo.	Value of School Property.
1883	a $101,390 02	$ 77,997 85	101	6	b 9,360	2,551	24½	98	$75	$5 09	....
1884	205,901 28	161,861 57	121	7	9,360	3,287	35	143	85	7 03	.... . .
1885	186,666 12	138,164 83	137	7 3-20	10,219	3,226	31½	131	86	5 98	.. ..
1886	159,956 11	135,030 39	150	6 1-5	10.219	3,507	34⅓	150	78	6 21	... . .
1887	120,014 88	117,001 71	169	6 3-20	10,303	3,602	35	175	81	5 28	$176,238
1888	157,707 03	130,212 14	184	6¼	10,303	3,849	37⅓	191	80	5 01	222,219
1889	179,782 35	150,543 11	197	6 4-10	12,588	4,293	34 1-10	199	79	5 48	222,958
1890	201,288 70	177,483 83	219	6 3-10	12,882	4,702	36 5-10	210	77	c 5 97	268,435

a.—Includes balance from previous year. b.- Census taken biennially. 1883 includes children 6 to 21. 1885 to 1889 includes children 6 to 18. c.—Includes $18 000, cost of building new school houses in Phœnix, Maricopa County. Correct cost per child, $5 42